## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

# (19) World Intellectual Property Organization International Bureau



## | 1010 EN 1010 | 0100 EN 1010 EN 1010

(43) International Publication Date 29 April 2004 (29.04.2004)

### **PCT**

# (10) International Publication Number WO 2004/035120 A2

(51) International Patent Classification<sup>7</sup>:

A61M 5/32

(21) International Application Number:

PCT/NL2003/000699

(22) International Filing Date: 16 October 2003 (16.10.2003)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data:

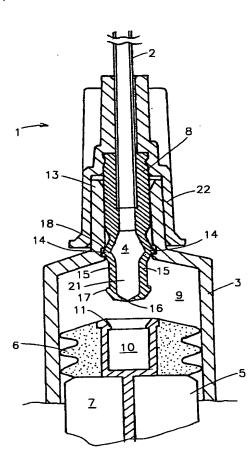
1021689 60/419,678 18 October 2002 (18.10.2002) NL 18 October 2002 (18.10.2002) US

(71) Applicant (for all designated States except US): AD-VANCED PROTECTIVE INJECTION SYSTEMS B.V. [NL/NL]; 39, Hooikade, NL-2514 BK Den Haag (NL). (72) Inventors; and

- (75) Inventors/Applicants (for US only): GOOSSENS, Bjorn, Olaf [NL/NL]; 39, Hooikade, NL-2514 BK Den Haag (NL). LUCAS, Jan, Hendrik [NL/BE]; 5, Kemphaanlaan, B-2960 Brecht/St. Job (BE).
- (74) Agent: DU PONT, J.; Exter Polak & Charlouis B.V., P.O. Box 3241, NL-2280 GE Rijswijk (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: INJECTION SYRINGE WITH RETRACTABLE NEEDLE



(57) Abstract: The present invention relates to an injection syringe with retractable needle, at least comprising: a liquid container with an outlet opening; a needle with needle mount which is or can be secured in or on the outlet opening of the liquid container; a blocking means which is designed to block the needle mount in the outlet opening, which blocking means can only be unblocked by the needle mount with needle being retracted into the liquid container.



#### 

European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

#### Published:

 without international search report and to be republished upon receipt of that report